Shortest bonding at every roof level

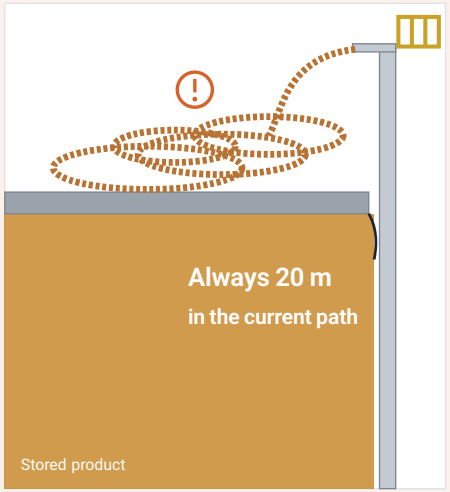
02 · Floating roof travel

ARG®

KALOT GROUP · TECHNICAL ILLUSTRATION · NOT TO SCALE

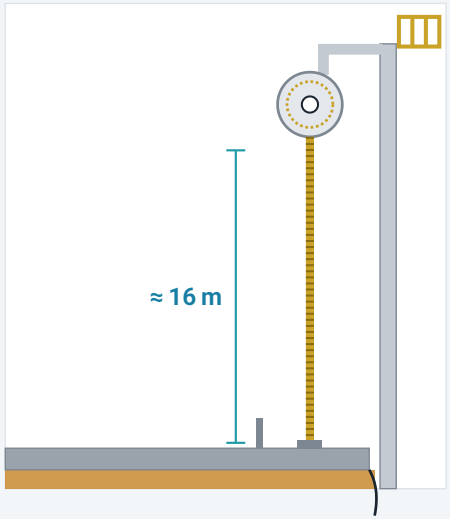
As the roof rises, two SS304 springs take up the spare tape; as it falls, the tape pays out. At any moment only the length the roof level needs is in the current path; no loops, no kinks and no snagging on roof equipment.

About 90% full — **Fixed cable · Roof high**



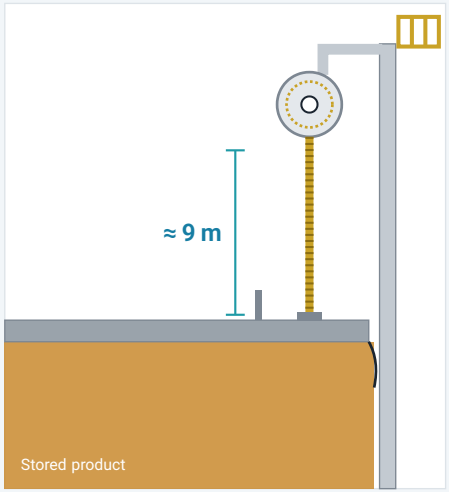
The full cable length stays coiled on the roof: longer path, higher loop inductance and risk of snagging and wear.

About 20% full — **ARG® · Roof low**



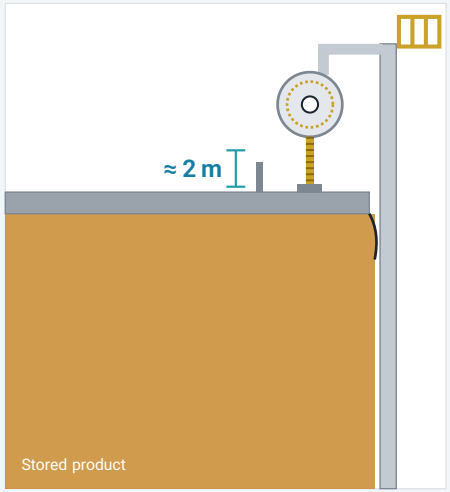
Even near full extension, the end-to-end resistance of the 20 m tape is below 8 milliohms.

About 55% full — **ARG® · Roof mid-level**



As the roof falls, the tape pays out and still stays straight and taut.

About 90% full — **ARG® · Roof high**



Most of the tape is on the reel and the bonding tape is short and straight.

V = L · di/dt

At the same rate of current rise, a lower-inductance path creates less voltage between roof and shell; lower inductance comes from a shorter path. Coiling the fixed cable raises inductance even further. Spans shown for an example tank with a 20 m shell and ARG-20.

Roof high: qualitative comparison of bypass path inductance



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Since: 1972 تاسیس: ۱۳۵۱
www.kalot.ir · Tel +98 21 2268 8852